

11/10/00



JC948 U.S. PTO

Practitioner's Docket No. U 013051-2

PATENT

Preliminary Classification:
Proposed Class:
Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.'" M.P.E.P. Section 601, 7th ed.

JC921 U.S. PTO

09/710171



11/10/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Optional Customer No. Bar Code



00140

PATENT TRADEMARK OFFICE

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of
Inventor(s): Yitzhak COHEN
Arie GLAZER

WARNING: 37 C.F.R. Section 1.41(a)(1) points out

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by Section 1.63, except as provided for in Section 1.53(d)(4) and Section 1.63(d). If an oath or declaration as prescribed by Section 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to Section 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in Section 1.17(I) is filed supplying or changing the name or names of the inventor or inventors."

For (title): ADAPTIVE MANAGEMENT CENTER ESPECIALLY USED FOR POINT OF
SALE TERMINALS

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is **mandatory**.)

(Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on this date NOVEMBER 10, 2000, in an envelope as "Express Mail Post Office to Addressee", mailing Label Number EL699732725US, addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

BARBARA D. SANTIAGO

(type or print name of person mailing paper)

Barbara D. Santiago
Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence

***WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

EL 6 9 9 7 3 2 7 2 5 US

1. Type of Application

This new application is for a(n)

(check one applicable item below)

- ☒ Original (nonprovisional)
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

WARNING: Do not use this transmittal for the filing of a provisional application.

NOTE: If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.

- ☐ Divisional.
☐ Continuation.
☐ Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. Sections 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. Section 112. Each prior application must also be

(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

(ii) Complete as set forth in Section 1.51(b); or

(iii) Entitled to a filing date as set forth in Section 1.53(b) or Section 1.53(d) and include the basic filing fee set forth in Section 1.16; or

(iv) Entitled to a filing date as set forth in Section 1.53(b) and have paid therein the processing and retention fee set forth in Section 1.21(l) within the time period set forth in Section 1.53(f)

37 C.F.R. Section 1.78(a)(1).

NOTE *If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED*

WARNING: *If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c) (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b)). For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.*

WARNING: *When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application **must** be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. Section 1.78(a)(3).*

☒ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

A. Required for Filing Date under 37 C.F.R. Section 1.53(b) (Regular) or 37 C.F.R. Section 1.153 (Design) Application

10 Pages of Specification
5 Pages of Claims
9 Sheets of Drawing

WARNING: ***DO NOT** submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to Section 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. 1.84, see Notice of March 9, 1988. (1990 O.G. 57-62).*

NOTE. *"Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page." 37 C.F.R. Section 1.84(c)*

(complete the following, if applicable)

☐ The enclosed drawing(s) are in color, and there is also attached a "PETITION TO ACCEPT COLOR DRAWING(S)." 37 C.F.R. Section 1.84(b).

☒ Formal

☐ Informal

B. Other Papers Enclosed

____ Pages of declaration and power of attorney
 1 Pages of Abstract
____ Other

4. Additional Papers Enclosed

- ☐ Amendment to claims
- ☐ Cancel in this applications claims _____ before calculating the filing fee.
(At least one original independent claim must be retained for filing purposes.)
- ☐ Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
- ☒ Preliminary Amendment
- ☐ Information Disclosure Statement (37 C.F.R. Section 1.98)
- ☐ Form PTO-1449 (PTO/SB/08A and 08B)
- ☐ Citations
- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☒ Other : Two compact discs labeled COPY 1 and COPY 2 and Transmittal to USPTO

5. Declaration or Oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under Section 1.47 then a copy of that declaration must be filed accompanied by a copy of the decision granting Section 1.47 status or, if a nonsigning person under Section 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. Section 1.63(d)(1)-(3).

NOTE: A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name, including the family name, and at least one given name without abbreviation together with any other given name or initial, and the residence, post office address and country of citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. Section 1.63(a)(1)-(4).

NOTE: A The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by Section 1.62, except as provided for in Section 1.53(d)(4) and Section 1.63(d). If an oath or declaration as prescribed by Section 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to Section 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in Section 1.17(I) is filed supplying or changing the name or names of the inventor or inventors. 37 C.F.R. Section 1.41(a)(1).

☐ Enclosed

Executed by

(check **all** applicable boxes)

- ☐ inventor(s).
☐ legal representative of inventor(s). 37 C.F.R. Section 1.42 or 1.43.
☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

- ☐ This is the petition required by 37 C.F.R. Section 1.47 and the statement required by 37 C.F.R. Section 1.47 is also attached. See item 13 below for fee.

☒ Not Enclosed.

NOTE: Where the filing is a completion in the U.S. of an International Application, or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED

- ☐ Application is made by a person authorized under 37 C.F.R. 1.41 on behalf of all the above named inventor(s).

(The declaration or oath, along with the surcharge required by 37 C.F.R. Section 1.16(e), can be filed subsequently).

- ☐ Showing that the filing is authorized.
(not required unless called into question. 37 C.F.R. Section 1.41(d))

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted

The inventorship for all the claims in this application are:

- ☐ The same.

or

- ☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
☐ is submitted.
☐ will be submitted.

7. **Language**

NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. Section 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. Section 1.52(d).

☒ English

☐ Non-English

☐ The attached translation includes a statement that the translation is accurate.
37 C.F.R. Section 1.52(d).

8. **Assignment**

☒ An assignment of the invention to LIPMAN ELECTRONIC ENGINEERING LTD.

☐ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.

☒ will follow.

☐ has been recorded at Reel _____, Frame _____ on _____

NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment" Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: *A newly executed "STATEMENT UNDER 37 C.F.R. Section 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64*

9. **Certified Copy**

Certified copy(ies) of application(s)

Israel	132942	November 15, 2000
Country	Appln. no.	Filed
Country	Appln. no.	Filed
Country	Appln. no.	Filed

from which priority is claimed

☐ is (are) attached.

☒ will follow.

☐ was filed in parent application _____

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration 37 C.F.R. Section 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

10. **Fee Calculation** (37 C.F.R. Section 1.16)

A. ☒ Regular application

CLAIMS AS FILED					
Claims	Number Filed	Basic Fee Allowance	Number Extra	Rate	Basic Fee 37 C.F.R. Section 1.16(a) \$710.00
Total Claims (37 C.F.R. Section 1.16(c))	30	- 20 =	10 x	\$ 18.00	\$180.00
Independent Claims (37 C.F.R. Section 1.16(b))	3	- 3 =	x	\$ 80.00	
Multiple Dependent Claim(s), if any (37 C.F.R. Section 1.16(d))			+	\$270.00	

- ☐ Amendment cancelling extra claims is enclosed.
☐ Amendment deleting multiple-dependencies is enclosed.
☒ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency 37 C.F.R. Section 1.16(d).

Filing Fee Calculation \$ 890.00

B. ☐ Design application
(\$320.00--37 C.F.R. Section 1.16(f))

Filing Fee Calculation \$ _____

C. ☐ Plant application
(\$490.00--37 C.F.R. Section 1.16(g))

Filing Fee Calculation \$ _____

11. **Small Entity Statement(s)**

- ☐ Statement(s) that this is a filing by a small entity under 37 C.F.R. Section 1.9 and 1.27 is (are) attached.

WARNING:

"Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under Section 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under Section 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this Section." 37 C.F.R. Section 1.28(a)(2)

WARNING:

"Small entity status must not be established when the person or persons signing the statement can unequivocally make the required self-certification." M.P.E.P. Section 509.03, 6th ed., rev. 2, July 1996 (emphasis added).

(complete the following, if applicable)

- ☐ Status as a small entity was claimed in prior application _____, filed on _____ from which benefit is being claimed for this application under:

35 U.S.C. Section ☐ 119(e) - provisional,
☐ 120 - continuation,
☐ 121 divisional,
☐ 365(c) - PCT,

and which status as a small entity is still proper and desired.

- ☐ A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above) \$ _____

NOTE Any excess of the full fee paid will be refunded if a small entity status is established refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under Section 1.136. 37 C.F.R. Section 1.28(a).

12. **Request for International-Type Search (37 C.F.R. Section 1.104(d))**

(complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made at This Time

☒ Not Enclosed

☒ No filing fee is to be paid at this time.
(This and the surcharge required by 37 C.F.R. Section 1.16(e) can be paid subsequently.)

☐ Enclosed

☐ Filing fee \$ _____

☐ Recording assignment
(\$40.00; 37 C.F.R. Section 1.21(h))
(See attached "COVER SHEET FOR
ASSIGNMENT ACCOMPANYING NEW
APPLICATION.") \$ _____

☐ Petition fee for filing by other
than all the inventors or person
on behalf of the inventor where
inventor refused to sign or cannot
be reached
(\$130.00; 37 C.F.R. Sections 1.47 and 1.17(I)) \$ _____

☐ For processing an application with a
specification in a non-English language
(\$130.00; 37 C.F.R. Sections 1.52(d) and 1.17(k)) \$ _____

☐ Processing and retention fee
(\$130.00; 37 C.F.R. Sections 1.53(d) and 1.21(l)) \$ _____

☐ Fee for international-type search report
(\$40.00; 37 C.F.R. Section 1.21(e)) \$ _____

NOTE: 37 C.F.R. Section 1.21(l) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. Section 1.53(f) and this, as well as the changes to 37 C.F.R. Section 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of Section 1.21(l) must be paid, within 1 year from notification under Section 53(f).

Total Fees Enclosed \$ _____

14. Method of Payment of Fees

- ☐ Check in the amount of \$_____.
- ☐ Charge Account No. _____ in the amount of \$_____.
A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. Section 1.22(b)

15. Authorization to Charge Additional Fees

WARNING: *If no fees are to be paid on filing, the following items should not be completed*

WARNING: *Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.*

- ☐ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No._____.
- ☐ 37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)
- ☐ 37 C.F.R. Section 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. Section 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- ☐ 37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☐ 37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a).
- ☐ 37 C.F.R. Section 1.17 (application processing fees)

NOTE "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under Section 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in Section 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. Section 1.136(a)(3).

- ☐ 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))

NOTE. Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. Section 1.311(b)).

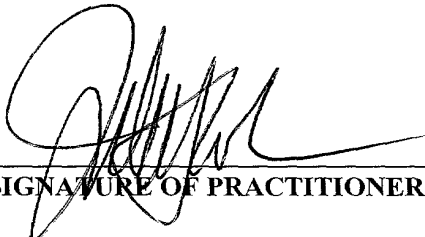
NOTE. 37 C.F.R. Section 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, issue fee." From the wording of 37 C.F.R. Section 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

16. Instructions as to Overpayment

NOTE: " . . . Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts, amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account " 37 C.F.R. Section 1.26(a)

☒ Credit Account No. 12-0425.

☐ Refund



SIGNATURE OF PRACTITIONER

Julian H. Cohen

(type or print name of practitioner)

Reg. No. 20,302

Tel. No.: (212) 708-1887

P.O. Address

Customer No.:

c/o Ladas & Parry
26 West 61st Street
New York, N.Y. 10023

☒ **Incorporation by reference of added pages**

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)

☒ Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

Number of pages added 5

☐ Plus Added Pages for Papers Referred to in Item 4 Above

Number of pages added _____

☐ Plus added pages deleting names of inventor(s) named on prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.

Number of pages added _____

☐ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added _____

☐ **Statement Where No Further Pages Added**

(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)

☐ This transmittal ends with this page.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Yitzhak COHEN et al.

For: ADAPTIVE MANAGEMENT CENTER ESPECIALLY USED FOR POINT OF
SALE TERMINALS

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

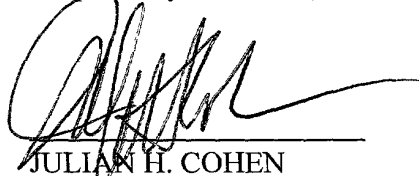
PRELIMINARY AMENDMENT

Please amend the above identified application as follows:

IN THE SPECIFICATION:

Page 1, line 1, before "FIELD" insert a paragraph -- The material on the compact discs labeled COPY 1 and COPY 2 is incorporated by reference. The compact discs are identified in the LIST OF APPENDICES below. --

Respectfully submitted,



JULIAN H. COHEN
LADAS & PARRY
26 WEST 61ST STREET
NEW YORK, NEW YORK 10023
REG.NO.20,302 (212)708-1887

CERTIFICATE UNDER 37 1.10

I hereby certify that this paper is being deposited with the United States Postal Service on this date NOVEMBER 10, 2000 in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" Mailing Label Number EL699732725US addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231

BARBARA D. SANTIAGO

(Type or print name of person mailing paper)



(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein has the number of the "EXPRESS MAIL" mailing label place thereon prior to mailing 37 CFR 1.16(b).

EL 6 9 9 7 3 2 7 2 5 US

Transmittal to USPTO

Sanford T. Colb & Co. reference 39511

Media: CD-R (labeled COPY-1 and COPY-2)

Computer: IBM-PC compatible

Operating System: Microsoft Windows 98 Second Edition

LABELED:

TITLE: Adaptive Management Center Especially Used for Point of Sale Terminals

Inventors: Yitzhak COHEN and Arie GLAZER

STC Docket #: 39511

CD-R Creation date: 08 November 2000

List of files contained on the CD-R

1. Directory appndx-a containing file ADAPTMGT.HEX (Appendix A) of November 8, 2000 and of length 120,551,213 bytes.

Note: The two compact discs labeled COPY-1 and COPY-2 are identical.

39511USA.DOC 8/11/00

FIELD OF THE INVENTION

The present invention relates to point of sale systems generally.

BACKGROUND OF THE INVENTION

The following U.S. Patents and other publications are believed to have possible relevance to the subject matter of the present invention: 6,041,183; 6,029,068; 5,987,135; 5,936,860 & 5,900,870.

A detailed explanation of the difference between the present invention and applicant's own prior art, which is believed to be the closest prior art, is set forth hereinbelow in the Detailed Description of a Preferred Embodiment.

SUMMARY OF THE INVENTION

The present invention seeks to provide a configuration builder suitable for use in configuring point of sale systems and a point of sale system and configuration methodology employing the configuration builder.

There is thus provided in accordance with a preferred embodiment of the present invention a configuration builder useful in configuring software-containing hardware units which are serviced by a center which services a multiplicity of similar units having a plurality of different configurations, the configuration builder including:

functionality enabling configuration of at least one software-containing hardware unit by a configurer; and

functionality operative automatically in response to configuration of the at least one software-containing hardware unit for correspondingly configuring the center, thereby to enable the center to interface with the at least one software-containing hardware unit.

There is also provided in accordance with a preferred embodiment of the present invention, a configuration building method useful in configuring software-containing hardware units which are serviced by a center which services a multiplicity of similar units having a plurality of different configurations, the configuration building method

including:

enabling configuration of at least one software-containing hardware unit by a configurer; and

automatically in response to configuration of the at least one software-containing hardware unit, correspondingly configuring the center, thereby to enable the center to interface with the at least one software-containing hardware unit.

There is additionally provided in accordance with a preferred embodiment of the present invention a point of sale system including:

a multiplicity of point of sale (POS) terminals;

at least one management centers which interact with the multiplicity of point of sale (POS) terminals; and

a configuration builder useful in configuring the multiplicity of point of sale terminals, the configuration builder including:

functionality enabling configuration of at least one software-containing hardware unit by a configurer; and

functionality operative automatically in response to configuration of the at least one software-containing hardware unit for correspondingly configuring the center, thereby to enable the center to interface with the at least one software-containing hardware unit.

Preferably, the software-containing hardware units include point of sale terminals.

In accordance with a preferred embodiment of the present invention, the center interfaces with the at least one software-containing hardware unit for determining parameters of applications operative thereon.

Preferably, the center interfaces with the at least one software-containing hardware unit for determining parameters of applications operative thereon.

In accordance with a preferred embodiment of the present invention the configuration includes programming of an application to run on the software-containing hardware unit.

Preferably, the configuration includes defining a plurality of block structures.

In accordance with a preferred embodiment of the present invention, the configuration includes producing at least one flexible header file and at least one block

definition file.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be understood and appreciated more fully from the following detailed description, taken in conjunction with the drawings in which:

Figs. 1A and 1B are simplified illustrations of prior art and present functionalities for configuring point of sale systems;

Fig. 2 is a simplified flow chart of functionality for configuring point of sale systems operative in accordance with a preferred embodiment of the present invention;

Fig. 3 is a simplified flow chart of functionality for utilizing the results of the functionality of Fig. 2;

Figs. 4A - 4E are screen shots illustrating various stages in the functionality of Figs. 2 & 3.

LIST OF APPENDICES

CD-ROM Appendix A includes software object code for carrying out a preferred embodiment of the invention.

Appendix A is included on Copy 1 and Copy 2 of the CD-ROMs attached herewith to the present application. Each CD-ROM includes the file ADAPTMGT.hex (Appendix A) of November 8, 2000 and of length 120,551,213 bytes.

DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT

The present invention will now be described with reference to an environment of a point of sale system comprising one or more management centers which interact with a multiplicity of point of sale (POS) terminals. In order for the uniqueness of the present invention to be fully understood, assignee's prior art system and methodology is initially described hereinbelow with reference to Fig. 1A.

As seen in Fig. 1A, in the prior art a multiplicity of POS terminals 10 communicate with a POS management center 12. The POS terminals are typically NURIT terminals, commercially available from Lipman USA, Inc. of Syosset, New York, U.S.A. The POS management center 12 is typically a NURIT CC management center, also, commercially available from Lipman USA, Inc. Communication between

POS terminals 10 and the POS management center 12 may be via a PSTN network or any other suitable wired or wireless communication network.

As seen in Fig. 1A, one or more software programmers typically write source code, designated by reference numeral 20 which, together with a fixed header file 22, is supplied to a computer system 24 which perform editing, compiling and linking thereof so as to provide applications 26.

The POS management center 12 typically includes a management center program 28, which controls the functionality of the management center 12, an applications database 30 which stores applications 26, a terminal parameters database 32, which stores parameters of various POS terminals 10 and a fixed input/output structure 34 which interfaces with the terminal parameters database 32 and requires a management center operator to enter parameters for given POS terminals in a fixed framework.

In each POS terminal 10, there is provided, inter alia, an application file 40 which receives downloads from applications database 30 from time to time and a parameters file 42, which receives downloads from parameters database 32 from time to time.

In the prior art, every change made at the POS management center 12 in the input/output structure 34 required that the applications programmers learn and understand the changed input/output structure in order to be able to write applications.

Moreover, many of the changes made to the input/output structure 34 were the result of requests made by the applications programmers. The result was a never-ending cycle of reconfiguration and relearning, which involved significant cost and delay in implementation changes in POS terminal functionality.

Furthermore, the POS management center operator was required to adapt previously set parameter settings to ensure compatibility with changed parameter structures. When many changes in the parameter structure were being made and a great number of terminals were involved, the management burden on the POS management center operator became unbearable and uneconomic.

Referring now to the present invention, illustrated in Fig. 1B, it is seen that a configuration builder 100 constructed and operative in accordance with a preferred embodiment of the present invention is employed by an application programmer,

preferably to write flexible header files 102 and block definitions files 104. Having written the flexible header files 102 and block definitions files 104, the software programmer writes source code 106 based on the structure defined in the flexible header files 102.

The source code 106 and the flexible header files 102 are supplied to computer system 108 which perform editing, compiling and linking thereof so as to provide applications 110.

Applications 110 are preferably then further processed by a computer system 112 which performs editing of the application to incorporate therewithin minimum hardware requirements at the POS terminal 130 for running the application. Typical hardware requirements include: minimum memory capacity, minimum modem baud rate, display requirements and card reader requirements.

The resulting integrated applications 114 are then supplied to a POS management center 120.

The POS management center 120 typically includes a management center program 122, which controls the functionality of the management center 120, an applications database 124 which stores applications 114, a terminal parameters database 126, which stores parameters of various POS terminals 130 and a flexible input/output structure 134 which interfaces with the terminal parameters database 126 and allows a management center operator to enter parameters for given POS terminals in a flexible framework.

In accordance with a preferred embodiment of the present invention, the block definitions file 104 is supplied to a parameter structure and parameter entry screen database 136 which stores a plurality of parameter entry screens which are used by the flexible input/output structure 134 for entry of parameters for given POS terminals 130 by a management center operator.

Parameter entry screen database 136 interfaces with applications database 124, in order that the parameter structure and the parameter entry screen shown to the management center operator is adapted to each given application.

In each POS terminal 130, there is provided, inter alia, an application file 140 which receives downloads from applications database 124 from time to time and a parameters file 142, which receives downloads from parameters database 126 from time

to time.

In contrast to the prior art, wherein every change made at the POS management center 12 in the input/output structure 34 required that the applications programmers learn and understand the changed input/output structure in order to be able to write applications, in accordance with the present invention, most changes made at the POS management center 120 do not affect the work of the applications programmers.

Moreover, in accordance with the present invention and its flexible input/output structure 134, few or no changes need be made to the input/output structure 134 as a result of requests made by the applications programmers. This avoids the prior art never-ending cycle of reconfiguration and relearning, which involved significant cost and delay in implementation changes in POS terminal functionality.

Furthermore, an operator of a POS management center 120 is no longer required to adapt previously set parameter settings to ensure compatibility with changed parameter structures since each application is accompanied by a parameter structure adapted thereto.

In the present invention, as distinguished from the prior art, every change made by the software programmer in the application using the configuration builder is automatically reflected in the parameters structure stored in database 136, which automatically interfaces with the applications database 124. This obviates the need for a POS management center operator to learn and understand the changed parameter structure in order to be able to configure each terminal. Furthermore, the POS management center operator is no longer required to adapt previously set parameter settings to ensure compatibility with changed parameter structures. When many changes in the parameter structure are being made and a great number of terminals are involved, the management burden on the POS management center operator resulting from software changes to and developments in applications and parameter structures is minimized.

Reference is now made to Fig. 2, which is a simplified flow chart of functionality for configuring point of sale systems operative in accordance with a preferred embodiment of the present invention. A principal portion of the functionality of Fig. 4 takes place in the configuration builder 100 when employed by an application programmer. The remainder takes place in computer systems 108 and 112.

The application programmer initially defines names of blocks of parameters for each portion of a POS application. Examples of such blocks are include, for example, functionalities for dealing with checks, credit purchases, debit purchases, electronic benefit transfers (EBTs), electronic draft captures (EDCs), host-merchant transactions, man-machine interface functions.

A screen shot, presenting, inter alia, a listing of such block names, appears in Fig. 4A.

For each block defined by the application programmer, the programmer defines the type of block. Examples of types of blocks include, for example: structure, array, file and image. A typical structure applicable to a block relating to credit purchase functionalities includes the following parameters:

- minimum transaction amount;
- maximum transaction amount;
- host ID;
- communication protocol ID.

A typical array comprises a plurality of structures.

A typical file comprises, for example, a list of restricted credit cards.

A typical image comprises a logo of a merchant or a header of a merchant's receipt.

The application programmer may next define the applicability of each block. For example, the block may impact only a single POS terminal, a single type of POS terminals, a group of POS terminals belonging to a certain customer or an entire class of functionalities of many types of POS terminals.

A screen shot, presenting, inter alia, a listing of selectable block attributes, including both the type of block and its applicability, appears in Fig. 4B.

The application programmer preferably next defines the titles of fields for each block of parameters corresponding to each portion of a POS application. Typical field titles for a typical block such as the block dealing with credit purchases include: host name, transaction type and help desk phone number. The type of the field is also preferably defined. Typical types of fields are: long, short and text.

The application programmer then assigns to each field of each block of parameters a value which serves as an input to a portion of a POS application to which

the field corresponds.

The application programmer also defines the display format of each field at the input/output structure 134 of the POS management center 120. For example, the display format may include display as a label and/or as a hint and may define the location of the field on a display provided by the input/output structure 134.

A screen shot, presenting, inter alia, field titles, field types and the values corresponding to a given field, appears in Fig. 4C.

At this stage, a header file, such as header file 102 (Fig. 1B), is output by the configuration builder 100. Normally each header file corresponds to one block of an application.

Also at this stage, a block definitions file, such as block definitions file 104 (Fig. 1B), is output by the configuration builder 100. Normally, each block definitions file 104 corresponds to one block of an application. The block definitions file typically includes information relating to the block type, field titles, field types, field values and corresponding display formats therefor.

As noted above, computer system 108 compiles and links the header file 102 for each given block with the source code 106 of the corresponding block of the POS application and produces an application. The resulting application 110 is supplied to computer system 112 at which hardware requirements information is appended to the application.

The resulting integrated application 114 includes the at least the following elements:

- the POS terminal application written by the application programmer without using the configuration builder 100;

- the parameter structure for the POS terminal application written by the application programmer using the configuration builder 100 and the hardware requirements at the POS terminal which are added downstream of the work of the application programmer.

The integrated application 114 is typically stored in applications database 124 in the POS management center 120.

Reference is now made to Fig. 3, which is a simplified flow chart of functionality for utilizing the results of the functionality of Fig. 2. The functionality of

Fig. 3 is employed by a management center operator to configure a given POS terminal 130, having a given hardware configuration, for a given application and also to establish a basis for management communication between that terminal and the management center 120.

As seen in Fig. 3, once all necessary integrated applications have been received in database 124 of the POS management center 120, a management center operator may select one or more given applications stored in database 124. Upon selecting a given application, the operator is presented by the input/output structure 134 (Fig. 1B) with one or more screens, earlier defined by the application programmer using the configuration builder 100 (Fig. 1B) in order to adapt the selected application to a given POS terminal 130.

Typically, the management center operator may select an application, such as a restaurant application and may wish to adapt it to a given branch of a restaurant chain at a given location, having a given POS terminal hardware configuration. A screen shot of the type presented to the management center operator at this stage, appears in Fig. 4D.

Typically the management center operator inserts values into fields of application blocks, relating for example to merchant definition, terminal definition, transaction definition.

Examples of such fields relating to merchant definition include: host merchant ID, merchant location, merchant telephone number.

Examples of such fields relating to terminal definition include: terminal ID, terminal software ID and terminal hardware configuration ID.

Examples of such fields relating to transaction definition include: credit transaction capability YES/NO, check transaction capability YES/NO,

A screen shot corresponding to that of Fig. 4D showing entry of various parameter values appears in Fig. 4E.

It is appreciated that using the functionality of Fig. 3, which is predicated on the functionality of Fig. 2, the management center operator is enabled to easily configure disparate types of POS terminals 130 having disparate software and hardware configurations for disparate specific applications and operating environments.

Reference is now made to CD-ROM Appendix A, which includes software object code for carrying out a preferred embodiment of the invention. This code may be

operated by installation thereof in accordance with the following installation instructions:

- 1) Provide a computer terminal, such as an Intel-based Pentium III 550 Mhz computer, 128 Mbyte RAM, 1 Gbyte Hard Disk, a modem and dial up line, configured with the Microsoft Windows 98/NT operating system;
- 2) Unhex the computer listing ADAPTMGT.HEX of Appendix A using HEX IT V1.8 or greater by John Augustine creating file ADAPTMGT.ZIP.
- 3) Decompress the file ADAPTMGT.ZIP using WINZIP version 6.2 or greater, extracting all files into their respective directories utilizing the WINZIP version 6.2 option "Use folder names".
- 4) In directory BDEINST execute the file SETUP.EXE and proceed to follow the default prompts.
- 5) In directory WNURITCC execute the file SETUP.EXE and proceed to follow the default prompts. This procedure installs the center files, including WNLSP.EXE
- 6) Execute the file NURITCDK.EXE This procedure installs the center files, including PLUGIN.EXE
- 7) To complete the installation, execute the file SERIAL.EXE This procedure installs the center files, including SERLBLD.EXE
- 8) Execute SERLBLD.EXE to generate a serial number for the center.
- 9) To run the configuration builder, execute the file PLUGIN.EXE to generate the header file and block definitions file.
- 10) To run the center, execute the file WNLSP.EXE. Select in this program "menu/files/import operating systems" and select the file: \OS_IMPORT\001_USA\OS_Data_01_06.OSN

It will be appreciated by persons skilled in the art that the present invention is not limited by what has been particularly shown and described hereinabove. Rather the scope of the present invention includes both combinations and subcombinations of the various features described hereinabove as well as variations and modifications which would occur to persons skilled in the art upon reading the specification and which are not in the prior art.

C L A I M S

1. A configuration builder useful in configuring software-containing hardware units which are serviced by a center which services a multiplicity of similar units having a plurality of different configurations, the configuration builder comprising:

functionality enabling configuration of at least one software-containing hardware unit by a configurer: and

functionality operative automatically in response to configuration of said at least one software-containing hardware unit for correspondingly configuring said center, thereby to enable said center to interface with said at least one software-containing hardware unit.

2. A configuration builder according to claim 1 and wherein said software-containing hardware units comprise point of sale terminals.

3. A configuration builder according to claim 1 and wherein said center interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

4. A configuration builder according to claim 2 and wherein said center interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

5. A configuration builder according to claim 1 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

6. A configuration builder according to claim 2 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

7. A configuration builder according to claim 3 and wherein said configuration

comprises programming of an application to run on said software-containing hardware unit.

8. A configuration builder according to claim 4 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

9. A configuration builder according to claim 1 and wherein said configuration comprises defining a plurality of block structures.

10. A configuration builder according to claim 1 and wherein said configuration comprises producing at least one flexible header file and at least one block definition file.

11. A configuration building method useful in configuring software-containing hardware units which are serviced by a center which services a multiplicity of similar units having a plurality of different configurations, the configuration building method comprising:

enabling configuration of at least one software-containing hardware unit by a configurer; and

automatically in response to configuration of said at least one software-containing hardware unit, correspondingly configuring said center, thereby to enable said center to interface with said at least one software-containing hardware unit.

12. A configuration building method according to claim 11 and wherein said software-containing hardware units comprise point of sale terminals.

13. A configuration building method according to claim 11 and wherein said center interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

14. A configuration building method according to claim 12 and wherein said center

interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

15. A configuration building method according to claim 11 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

16. A configuration building method according to claim 12 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

17. A configuration building method according to claim 13 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

18. A configuration building method according to claim 14 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

19. A configuration building method according to claim 11 and wherein said configuration comprises defining a plurality of block structures.

20. A configuration building method according to claim 11 and wherein said configuration comprises producing at least one flexible header file and at least one block definition file.

21. A point of sale system comprising:
a multiplicity of point of sale (POS) terminals;
at least one management centers which interact with said multiplicity of point of sale (POS) terminals; and
a configuration builder useful in configuring said multiplicity of point of sale terminals, the configuration builder comprising:

functionality enabling configuration of at least one software-containing hardware unit by a configurer; and

functionality operative automatically in response to configuration of said at least one software-containing hardware unit for correspondingly configuring said center, thereby to enable said center to interface with said at least one software-containing hardware unit.

22. A point of sale system according to claim 21 and wherein said software-containing hardware units comprise point of sale terminals.

23. A point of sale system according to claim 21 and wherein said center interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

24. A point of sale system according to claim 22 and wherein said center interfaces with said at least one software-containing hardware unit for determining parameters of applications operative thereon.

25. A point of sale system according to claim 21 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

26. A point of sale system according to claim 22 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

27. A point of sale system according to claim 23 and wherein said configuration comprises programming of an application to run on said software-containing hardware unit.

28. A point of sale system according to claim 24 and wherein said configuration comprises programming of an application to run on said software-containing hardware

unit.

29. A point of sale system according to claim 21 and wherein said configuration comprises defining a plurality of block structures.

30. A point of sale system according to claim 21 and wherein said configuration comprises producing at least one flexible header file and at least one block definition file.

A B S T R A C T

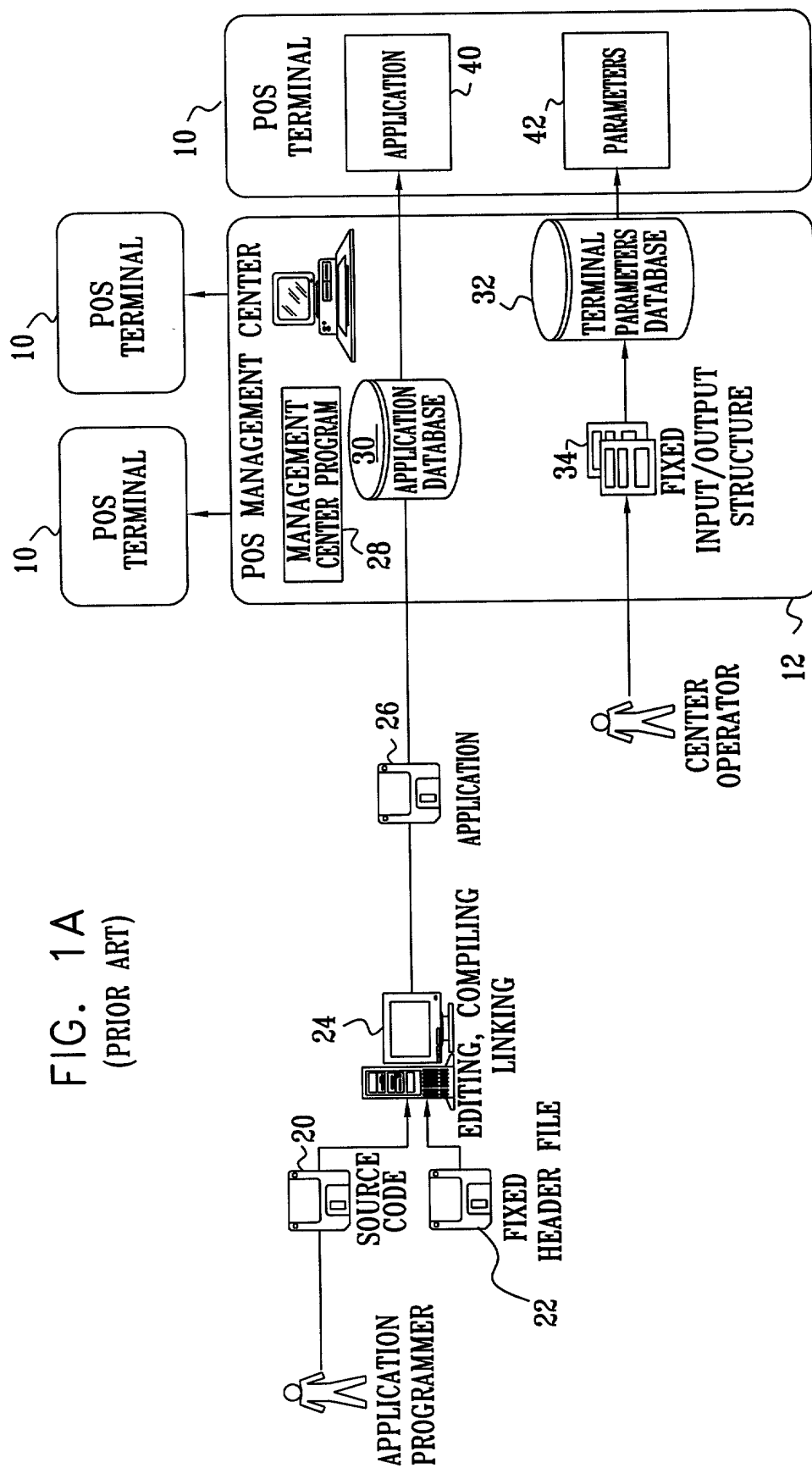
A configuration builder useful in configuring software-containing hardware units which are serviced by a center which services a multiplicity of similar units having a plurality of different configurations, the configuration builder including:

functionality enabling configuration of at least one software-containing hardware unit by a configurer; and

functionality operative automatically in response to configuration of the at least one software-containing hardware unit for correspondingly configuring the center, thereby to enable the center to interface with the at least one software-containing hardware unit.

Methodologies and point of sale systems employing the configuration building functionality are also disclosed.

FIG. 1A
(PRIOR ART)



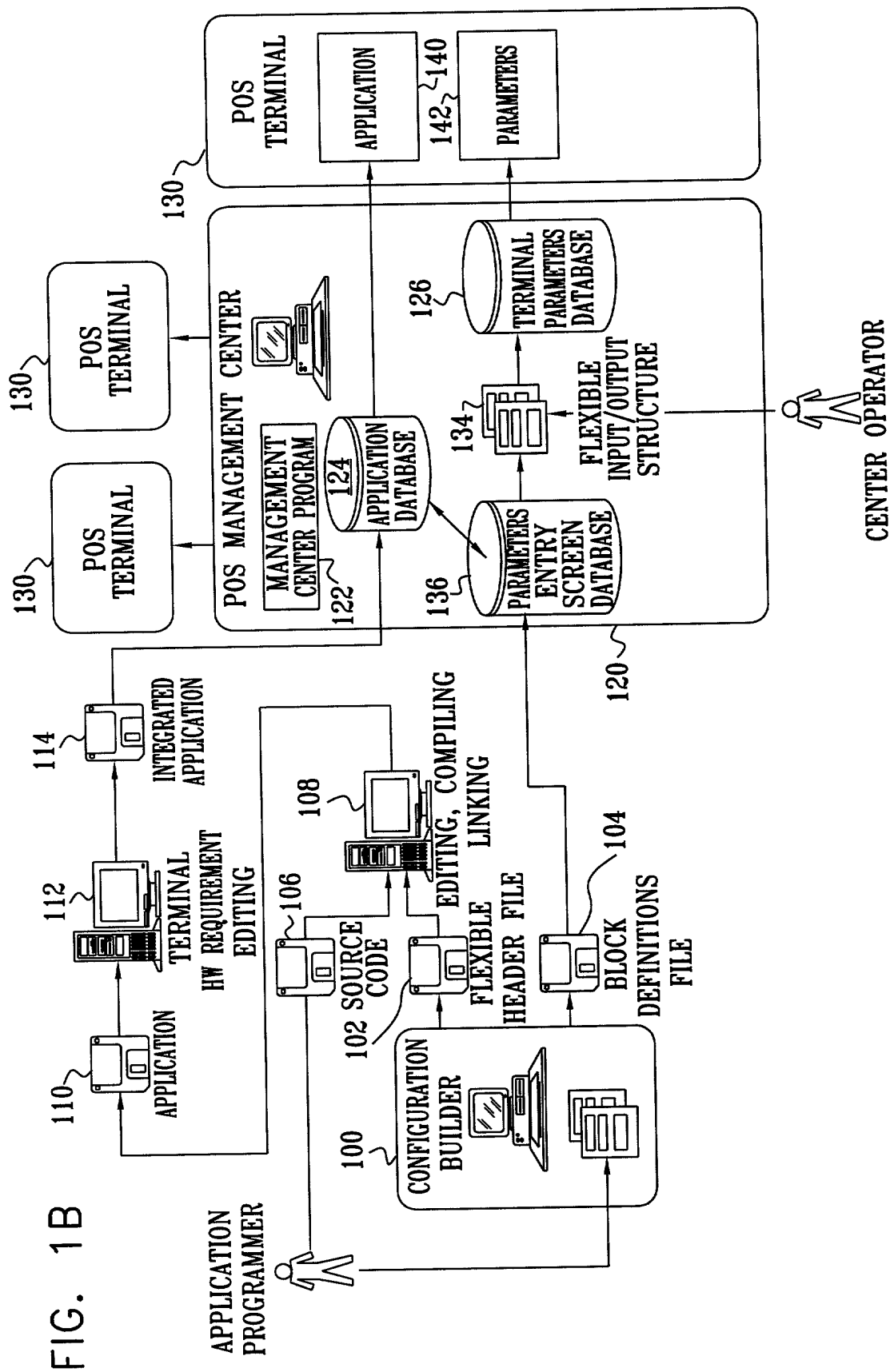


FIG. 2

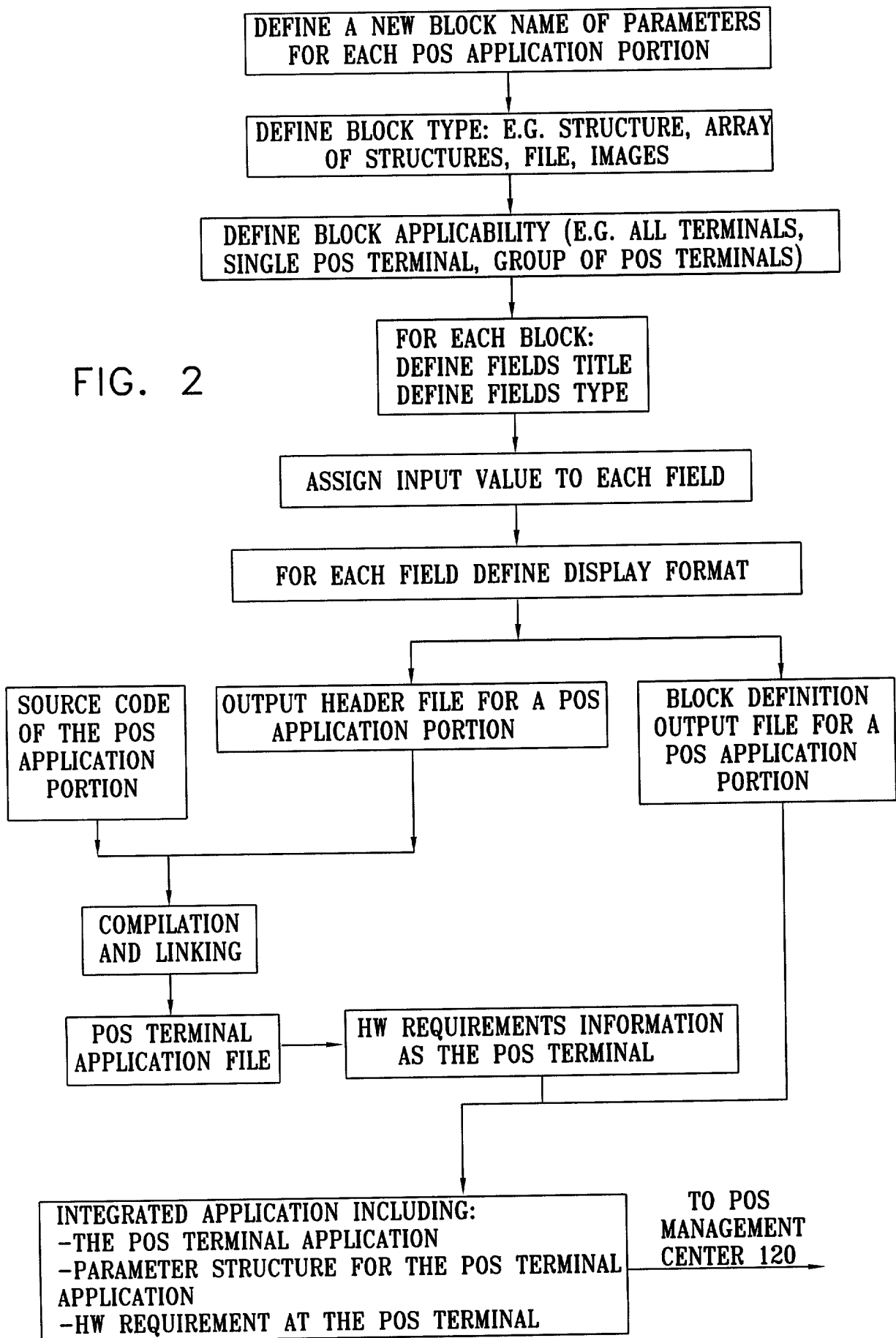


FIG. 3

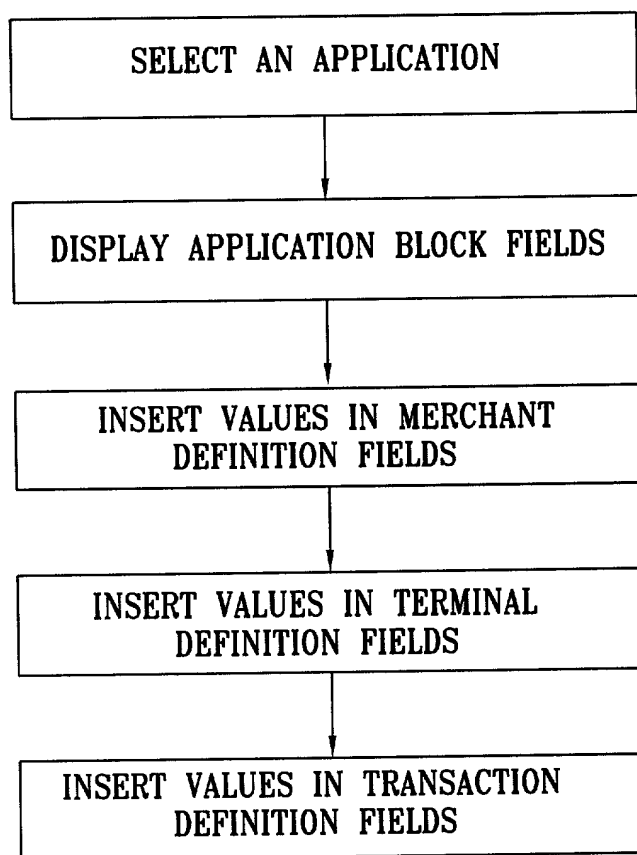


FIG. 4A

Plug-in Blocks List			
Short	Block Name	Block Title	Type
CENTER	CENTER->File	Title	File
CHEQUE	Check Param	Check Parameters	Structure
CREDIT1	Credit Param	Credit Parameters	Structure
DEBIT	Debit Params	Debit Parameters	Structure
EBT	EBT Params	EBT Parameters	Structure
EDCLST	EDC Order	EDC Order	Structure
GENER	Generic Prm	EDC Generic Parameters	Structure
HOTKEY	Hot Keys	Hot Keys (Special, F1, F2,...,F8)	Structure
MCHNT	Header	Merchant Header	Structure
POSMMI	POSMMI	USA block "POSMMI"	Structure
PRTCT	PRTCT->File	Download Protection	File

Terminal Plug-in Builder Ver. 06.11

File

Properties

Block

Tools

Help

Plug-in Properties

Block Header Properties

Short Name

CREDIT1

Short Name Space Filled

☐

Block Name

Credit Param

Block Title

Credit Parameters

Center Type

☒ Master Center
☒ Center 1
☒ Center 2
☒ Center 3
☒ Center 4
☒ Center 5
☒ Center 6
☒ Center 7

Display Block From:

☒ Software Model
☒ Terminal

Host Depending

Credit

Block Type

☒ Structure
☐ Array
☐ File
☐ Graphics Logo

Array Definition

Number of Structures

1

☐ "Row" Column

Set Row Names

Save

Cancel

FIG. 4B

FIG. 4C

Terminal Plug-in Builder Ver. 06.11

File Properties Block Tools

Plug-in Properties

ADDIT Block Fields

File Rt4 Plug

Block GField Definition

Field Name

ManualEntry

Display Label

Security of Manual Entry

Data Type

Enumerated unsigned char

Default Value

Enabled

Minimum Value

0

Maximum Value

255

Keyword for Import

manual_ENTRY

Field Edit Mask

Hint String

Disables/ Enables manually entered

Change Field IN nrit Center from:

☒ Software Model

Save

Cancel

Data Type Property

Set Enum List (SEC. MANUAL ENTRY)

...

Entry List

Enum Name

Hotkeys

SEC. MENU BATCH

SEC. CARD NUM

SEC. MANUAL ENTRY

SEC. ACCOUNT

General Reports

ReportType

REP. Detal Records

Select

Cancel

Mode

AP

BA

CE

CH

ICR

DE

EB

ED

GE

HO

Ha

FIG. 4D

Lip NURIT Control 06.13

Software Model "2080 Nashville" Settings. (#674)

Software Model

2080 Nashville

Application

RT4_63E

Selection-Criteria Mask

Industry

Retail

Parameters

Save Model

Select Application

Name	Min. NOS	Description	Version	Plug-in NAME	Minimum RAM Size	Industry Type	Max. Multiple Merchant	PLUGMVER
RT4_63E	05.00	Retail	04.63	RT4_63	128KB	Retail	1	00.01
RT4_63F	05.00	Retail	04.63	RT4_63	128KB	Retail	1	00.01
RT4_63G	05.00	Retail	04.63	RT4_63	128KB	Retail	1	00.01
RT4_63I	05.00	Retail	04.63	RT4_63	128KB	Retail	1	00.01
RT4_63M	05.00	Retail	04.63	RT4_63	128KB	Retail	1	00.01
RT4_63T	06.00	Retail	04.63	RT4_63	256KB	Retail, Restaurant	1	00.01
RTA4_62A	05.01	Full Retail+	04.62	RT4_63	256KB	Retail	1	00.01
RTA4_63E	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63F	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63G	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63H	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63I	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63M	05.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63T	06.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01
RTA4_63U	06.01	Full Retail+	04.63	RT4_63	256KB	Retail	1	00.01

OK

Cancel

DOC

